



PART Nr. / NUMERO DE PARTE: 1LE23232BC216AA3

TYPE / TIPO: SD100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

ABB										IE3
TYPE:	SD100	PART Nr:	1LE23232BC216AA3	256T	IP 55	3PH	TEFC	NEMA B		
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY			
D.E.	45BC03JPP3		INSUL. CL:	F	KVA:	H	WEIGHT	287 lbs.		
O.D.E.	45BC03JPP3		AMB. TEMP.:	40°C	T.RISE:	CLASS B		EFFICIENCY		
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %	
10	7.46	1175	230/460	27.0/13.5	60	1.15	31.1/15.5	91	89.5	
8	5.595	980	200/400	25.0/12.5	50	1.15	28.8/14.4	88.0	--	
CONNECTION										
VFD COMPATIBLE			<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Low Voltage</p> </div> <div style="text-align: center;"> <p>High Voltage</p> </div> </div>			Class I Div. 2 GR A, B, C or D T3				
AT 1.0 S.F. 20:1 V.T., 4:1 C.T.						Class I Zone 2 GR IIA, IIB or IIC T3				
Made in Mexico by ABB NEMA MOTORS										

**Actual nameplate will include certification marks for ex: UR, DOE, CE, CSA, NEMA PREMIUM, etc.

**La placa de datos del motor incluye logos de certificación, por ejemplo: UR, DOE, CE, CSA, NEMA PREMIUM, etc.



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Data sheet for three-phase Squirrel-Cage-Motors / Hoja de datos de Motores Trifásicos Jaula de Ardilla

U [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	T _A /T _N	T _K /T _N
						4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2	[lb-ft]	LRT [%]	BDT [%]
230/460	YY / Y	60.0	10.0	7.5	1175.0	27.0/13.5	21.4/10.7	16.8/8.4	12.6/6.3	162/81	91.0	91.6	91.4	76.2	71.6	61.0	45.0	165.0	250.0
200/400	YY / Y	50.0	7.5	5.6	980.0	25.0/12.5	21.2/10.6	18.2/9.1	14.5/7.3	169.7/84.9	88.0	88.1	86.9	70.6	62.3	49.1	40.1	239.5	350.5
Frame	256T	Type of constr.:	FOOT MOUNTED			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B	S.F. 1.15			
Mtr WT:	287 lbs.	Mounting:	MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: CLASS B			AMB. TEMP.: 40°C			KVA: H	IP 55						

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia: 1.7083 lb-ft²

Ext Load Inertia Capability: 137 lb-ft²

Safe Stall Time

Hot: 18 Sec

Cold: 38 Sec

Typical Noise Data

A-weighted Sound

Sound Pressure: 55 dB(A)

Sound Power: 67 dB(A)

Octave Band Center Frequencies Hertz: This values are for the standard bearing configuration.

	250	500	1000	2000	4000	8000	Hz
SPL@3 feet	40	42	51	46	51	28	dB(A)

Bearings / Baleros

	DE	NDE
Bearing size:	45BC03JPP3	45BC03JPP3

Ventilation Type / Tipo de Ventilación

Type of Cooling: TEFC Fan Material: Polypropylen

Fan Rotation: Bidirectional

Grease / Grasa

Type: Mobil Polyrex

Thickener: Polyurea (Standard)

Frame / Armazón

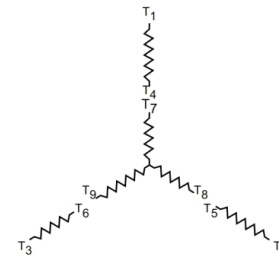
Frame material: Cast Iron

Coating (paint finish): Standard Alkyed + Epoxy (C2)

Color, paint shade: Dark Charcoal Gray Metallic

Terminal box / Caja de Terminales

Terminal box position: Conduit Box (Entry from feet)



3 PHASE - 9 LEAD - WYE

VOLTS	LINES			CONNECTED TOGETHER	CONN.
	L1	L2	L3		
LOW	T ₁ T ₇	T ₂ T ₈	T ₃ T ₉	T ₄ T ₅ T ₆	YY
HIGH	T ₁	T ₂	T ₃	T ₄ T ₇ -T ₅ T ₈ -T ₆ T ₉	Y

Wiring diagram

Additional information.

VFD Operation (V.T.) :	--
VFD Operation (C.T.) :	--
Area Classification:	--
Hazardouz Classification:	--
Hazardouz Classification:	--
Temp. Code:	--